

H9MP-M408

4-1/2 in IEC Male Flange without gas barrier for 5 in HJ9-50 air dielectric cable

OBSOLETE

This product was discontinued on: April 1, 2014

Product Classification

| | |
|----------------------|-----------------------|
| Product Type | Air coaxial connector |
| Product Brand | HELIAX® |

General Specifications

| | |
|--|--------------------------|
| Body Style | Straight |
| Cable Family | HJ9-50 |
| Gas Barrier | No |
| Inner Contact Attachment Method | Thread-in stub |
| Inner Contact Plating | Silver |
| Interface | 4-1/2 in IEC Male Flange |
| Mounting Angle | Straight |
| Outer Contact Attachment Method | Tab-flare |
| Outer Contact Plating | Unplated |

Dimensions

| | |
|---------------------|---------------------|
| Length | 209.55 mm 8.25 in |
| Diameter | 167.64 mm 6.6 in |
| Nominal Size | 5 in |

Electrical Specifications

| | |
|---------------------------------------|-------------------|
| Insertion Loss, typical | 0.05 dB |
| Average Power at Frequency | 27.0 kW @ 900 MHz |
| Cable Impedance | 50 ohm |
| Connector Impedance | 50 ohm |
| dc Test Voltage | 21 kV |
| Insulation Resistance, minimum | 5000 MOhm |

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|---|-------------|
| Operating Frequency Band | 0 – 960 MHz |
| Peak Power, maximum | 1100 kW |
| RF Operating Voltage, maximum (vrms) | 7424 V |

VSWR/Return Loss

| Frequency Band | VSWR | Return Loss (dB) |
|-----------------------|-------------|-------------------------|
| 0–3000 MHz | 1.04 | 36 |
| 3000–6000 MHz | 1.23 | 20 |

Environmental Specifications

| | |
|------------------------------|---------------------------------------|
| Operating Temperature | -40 °C to +150 °C (-40 °F to +302 °F) |
| Storage Temperature | -70 °C to +100 °C (-94 °F to +212 °F) |

Packaging and Weights

| | |
|--------------------|----------------------|
| Weight, net | 13.17 kg 29.035 lb |
|--------------------|----------------------|

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |



* Footnotes

| | |
|--------------------------------|---|
| Insertion Loss, typical | 0.05v ⁻ freq (GHz) (not applicable for elliptical waveguide) |
|--------------------------------|---|